

IN THE CLAIMS:

1. (Cancel)
2. (Currently Amended) The assemblyAssembly according to claim 18,
wherein the turbine comprises a first axial group of blades directed
towards a first direction from the rotor and a second group of blades
directed towards the an opposite axial direction from the rotor, ~~with~~ each
group comprising at least 3 blades.
3. (Currently Amended) The assembly ~~Assembly~~ according to claim 2,
wherein each blade in the first group is arranged in coalignment with a
blade in the second group.
4. (Currently Amended) The assemblyAssembly according to claim 3,
wherein blades located in coalignment are directly mechanically connected
to each other.
5. (Currently Amended) The assemblyAssembly according to claim 18,
wherein each blade is stayed by stay means.
6. (Currently Amended) The assemblyAssembly according to claim 5,
wherein the stay means comprises elements that connect blades to each
other.

7. (Currently Amended) The Assembly~~Assembly~~ according to claim 6, wherein the stay means comprises an element directed radially inward from the respective blade, a radially innermost end of each element being connected to each other.
8. (Currently Amended) The assembly~~Assembly~~ according to claim 6, wherein the stay means comprises elements extending between each blade adjacent in the circumferential direction.
9. (Currently Amended) The Assembly~~Assembly~~ according to claim 18, wherein each blade is connected to the rotor via a joint device.
10. (Currently Amended) The assembly~~Assembly~~ according to claim 18, wherein the rotor comprises permanent magnets.
11. (Currently Amended) The assembly~~Assembly~~ according to claim 18, wherein the stator is encapsulated in a waterproof house.
12. (Currently Amended) The assembly~~Assembly~~ according to claim 18, wherein the rotor is situated radially outside the stator and in the same axial plane as the stator.
13. (Currently Amended) The assembly~~Assembly~~ according to claim 18, wherein the stator is wound with a high-voltage cable provided with a core of conducting material, a first layer of semiconducting material surrounding the conducting material, a layer of insulating material

surrounding the first layer and a second layer of semiconducting material surrounding the insulating material.

14. (Currently Amended) ~~The assembly~~Assembly according to claim 18, wherein the stator of the generator is rotatable and connected to a turbine arranged to rotate the stator in the opposite direction to the rotor.

15. (Currently Amended) ~~The assembly~~Assembly according to claim 1, wherein the stator is wound for three-phase.

16. (Canceled)

17. (Currently Amended) A method of generating electric current which comprises the steps of:

providing an assembly comprising a ~~water turbine and a rotary~~ electrical generator which includes a rotor and which defines an imaginary axis therethrough, and a turbine which is axially offset from said generator along said imaginary axis and which, ~~the rotor of which is connected to the turbine, which turbine~~ comprises at least three axially-directed blades, ~~wherein each blade is~~ being individually directly connected to the rotor of the generator, and

placing said assembly in an underwater current.

18. (New) An assembly which comprises:

a rotary electrical generator which defines an imaginary axis
therethrough and which includes a rotor, and

a turbine which is spaced from the generator along said imaginary
axis and which includes at least three axially-extending blades, each of
said at least three blades being directly connected to said rotor.